

WHAT IS CLAIMED IS:

1. A gas turbine engine component comprising:
an annular flange arm having a radially inner surface;
a first channel formed in said radially inner surface;
at least one inlet passage extending through said flange arm in fluid communication with said first channel; and
at least one outlet slot formed in said radially inner surface in fluid communication with said first channel.
2. The component of claim 1 further comprising:
a second channel formed in said radially inner surface, said second channel being spaced axially from said first channel; and
at least one connecting slot formed in said radially inner surface and extending between said first and second channels, wherein said outlet slot extends axially from said second channel.
3. The component of claim 2 wherein said first and second channels circumferentially extend entirely around said flange arm.
4. The component of claim 2 wherein said first channel is located forward of said second channel.
5. The component of claim 2 wherein said connecting slot and said outlet slot are angled in a circumferential direction.
6. The component of claim 2 wherein said connecting slot and said outlet slot each define a depth and a fillet radius that is greater than said depth..
7. A gas turbine engine component comprising:
an annular flange arm having a radially inner surface;
an annular backing plate mounted to said radially inner surface, said backing plate having a radially outer surface;

a first channel formed in said radially outer surface;
at least one inlet passage extending through said flange arm in fluid communication with said first channel; and
at least one outlet slot formed in said radially outer surface in fluid communication with said first channel.

8. The component of claim 7 further comprising:

a second channel formed in said radially outer surface, said second channel being spaced axially from said first channel; and
at least one connecting slot formed in said radially outer surface and extending between said first and second channels, wherein said outlet slot extends axially from said second channel.

9. The component of claim 8 wherein said first and second channels circumferentially extend entirely around said backing plate.

10. The component of claim 8 wherein said first channel is located forward of said second channel.

11. The component of claim 8 wherein said connecting slot and said outlet slot are angled in a circumferential direction.

12. The component of claim 8 wherein said connecting slot and said outlet slot each define a depth and a fillet radius that is greater than said depth.

13. A gas turbine engine component comprising:

an annular flange arm having a radially inner surface, a radially outer surface, a forward end and an aft end defining an aft edge;
a first channel formed in said radially inner surface;
a second channel formed in said radially inner surface, said second channel being spaced axially from said first channel;

a plurality of connecting slots formed in said radially inner surface, each one of said connecting slots extending axially between said first and second channels;

a plurality of inlet passages extending through said flange arm from said radially outer surface to said first channel; and

a plurality of outlet slots formed in said radially inner surface, each one of said outlet slots extending axially from said second channel to said aft edge.

14. The component of claim 13 wherein said first and second channels circumferentially extend entirely around said flange arm.

15. The component of claim 13 wherein said first channel is located near said forward end and said second channel is located near said aft end.

16. The component of claim 13 wherein each one of said outlet slots defines an outlet port in said aft edge.

17. The component of claim 13 wherein said connecting slots and said outlet slots are angled in a circumferential direction.

18. The component of claim 13 wherein each one of said connecting slots and each one of said outlet slots define a depth and a fillet radius that is greater than said depth.

19. The component of claim 13 wherein said connecting slots are equally spaced about said flange arm.

20. The component of claim 13 wherein said inlet passages are equally spaced about said flange arm.

21. The component of claim 13 wherein said outlet slots are equally spaced about said flange arm.